SOLAR STREET LIGHTING

Powerbox

Technical data sheet



Application	Continuous and backup power for equipment
Charging	Grid, solar panels or both
Standard outputs	3 × 12 V DC
Optional outputs	24 V and 48 V
AC input	230 V AC / 50 Hz
DC input	12-22 V DC / 7 A
Ingress protection	IP65 / outdoor use
Operating temperature	-30 to +60 °C
Mounting	Column Ø 60-120 mm or wall
Installation height	More than 2500 mm above ground
Internet connection	Ethernet / RJ45
Network configuration	DHCP

The specific configuration is determined for each project.
Power supply operates without internet access; remote monitoring requires a connection.

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Models and additional features

Model	Nominal load	Capacity	Max. current	Weight	Battery
PowerBox 10	10 W	200 Wh	3 A	7 kg	LTO
PowerBox 20	20 W	400 Wh	3 A	10 kg	LTO
PowerBox 40	40 W	800 Wh	5 A	15 kg	LTO
PowerBox 65	65 W	1200 Wh	10 A	22 kg	LTO
PowerBox 40L	40 W	800 Wh	5 A	11 kg	LFP
PowerBox 65L	65 W	1200 Wh	10 A	16 kg	LFP

Enclosure dimensions (height × width × depth)

PowerBox 10 and 20	420 × 320 × 180 mm
PowerBox 40 / 40L / 65 / 65L	500 × 350 × 200 mm
Internal space: 10 and 20	150 × 260 × 80 mm
Internal space: 40/65 and L versions	150 × 300 × 100 mm

Equipment and protection

Short-circuit and overload protection, lockable enclosure, LED indicators.
5 m CYKY 3 × 2.5 mm² power cable; MC4 solar connectors.
RJ45 network connector inside and outside the enclosure; 1 × 10 A and 2 × 3.15 A fuses.

Continuous operation depends on the load, battery capacity and energy availability.